

TITLE: ELEVATED TEMPERATURE OXIDATION PROTECTION COATINGS FOR TITANIUM
DYS AND METHODS OF PREPARING THE SAME
INVENTOR: DEREK RAYBOULD
DOCKET: H0002477
ATTY: ROBERT DESMOND PHONE: (602) 365-2588

205120" 20E2Z0OT

EFFECT OF COATING THICKNESS ON STRENGTH

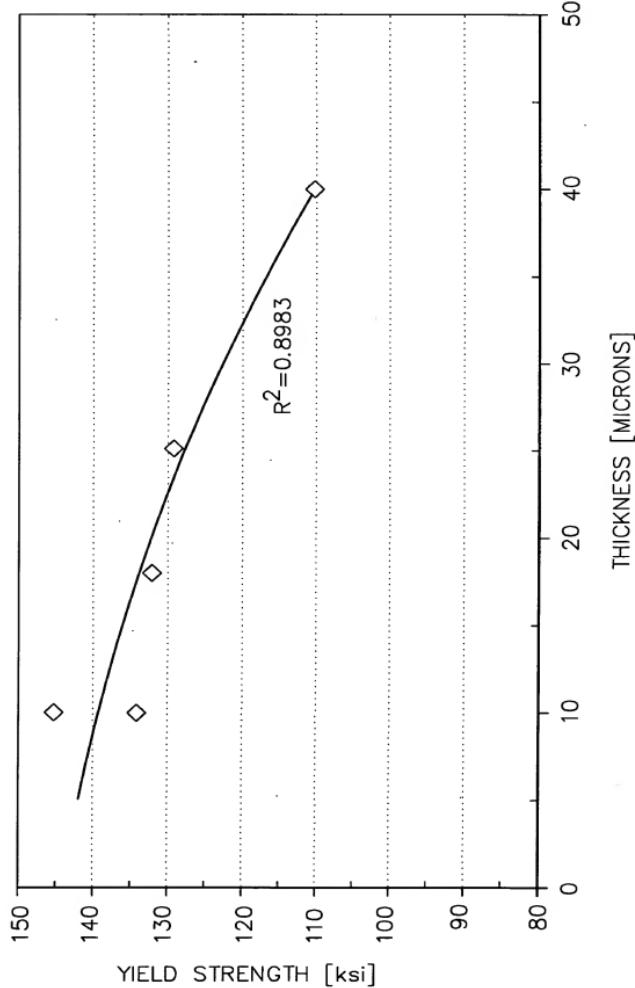


FIG. 1

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PROTECTIONS THICKNESS AFFECT ON FATIGUE OF 4 mil Ti21S at 35 ksi, R 0.1

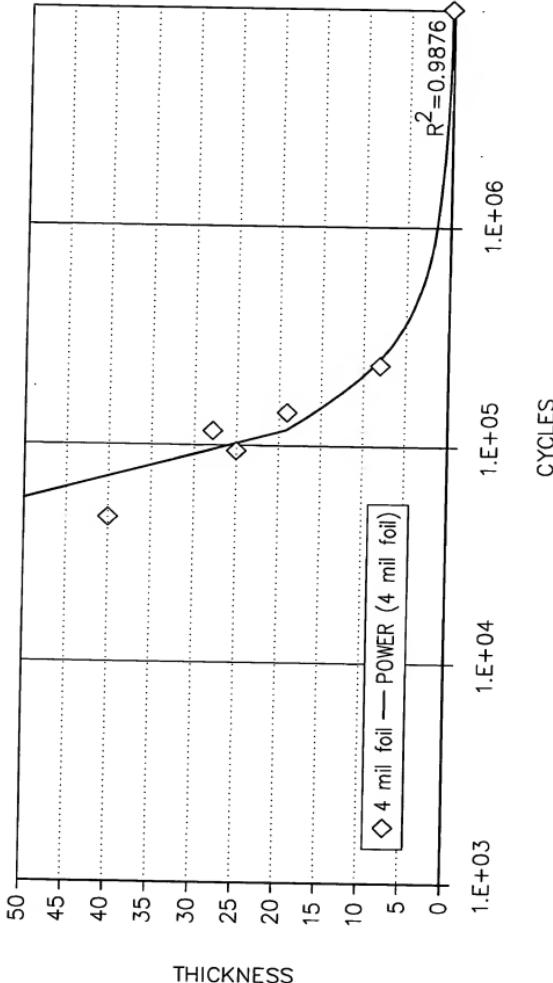
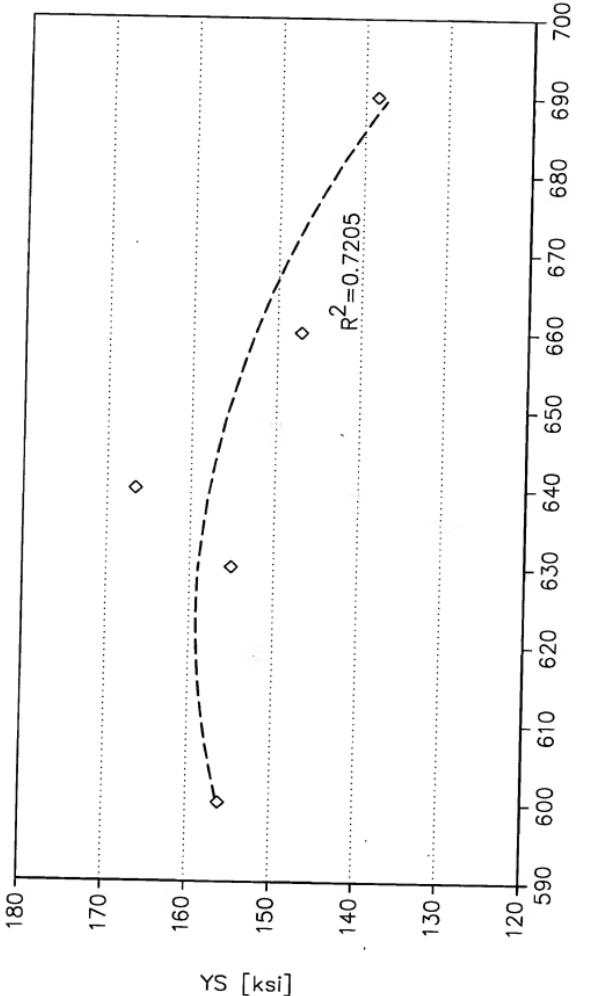


FIG. 2

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2005T20" ZODEZ ZOOT
STRENGTH OF PROTECTED Ti21S FOIL AS A FUNCTION OF TRANSFORMATION TEMPERATURE



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FIG. 3

205T20 - 20E22001

FATIGUE LIFE OF PROTECTED Ti21S FOIL AS A FUNCTION OF TRANSFORMATION TEMPERATURE

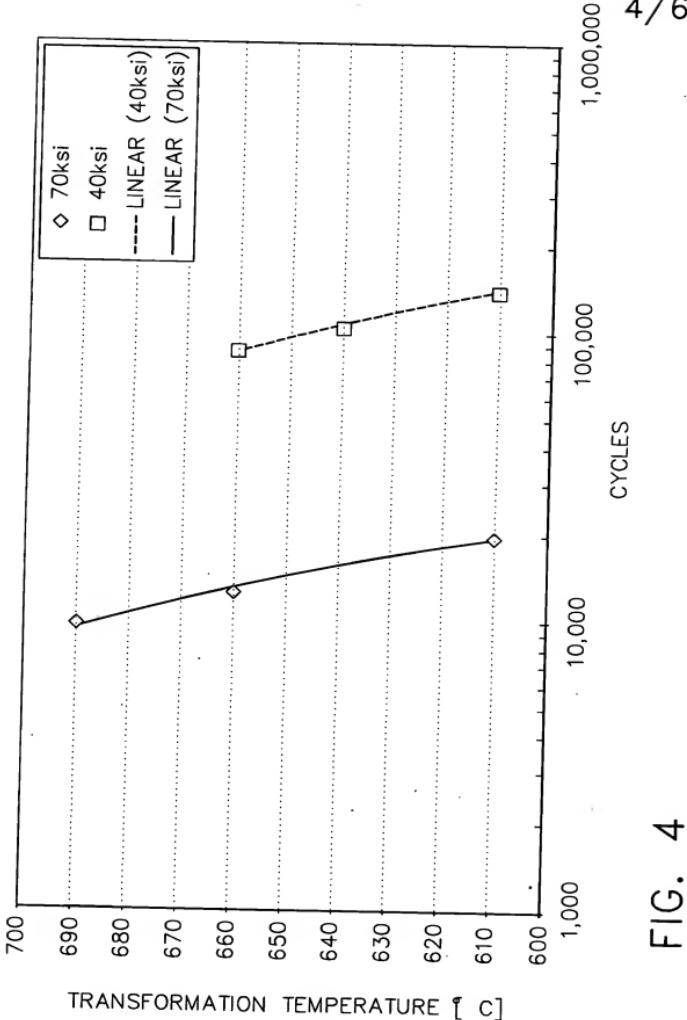


FIG. 4

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TRANSFORMATION TEMPERATURE AFFECT ON FATIGUE OF 4 mil Ti2S AT 35 ksi, R 0.1

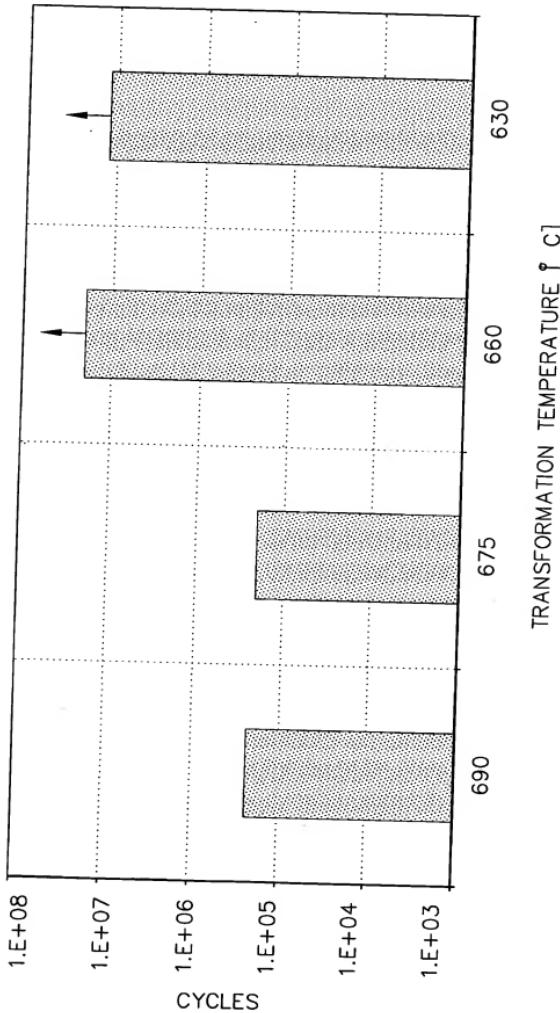


FIG. 5

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MICROGRAPH OF COATED TITANIUM FOIL AFTER A HEAT
TREATMENT BELOW THE MELTING POINT OF ALUMINUM

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FIG. 6